OPTIONAL INFORMATION	
Name of School:	Date of Inspection:
Vocational Program/Course/Room:	Signature of Inspector:

NONIONIZING RADIATION
SELF INSPECTION CHECKLIST

Guidelines: This checklist covers some of the regulations issued by the U.S. Department of Labor - OSHA under the General Industry standard 29 CFR 1910.1097 which was adopted by reference. It applies to worker exposures to electromagnetic energy of frequencies from 10 megahertz (MHz) to 100 gigahertz (GHz). This includes radio frequency (RF) and microwave radiation. Definitions of underlined terms are provided at the end of the checklist to help you understand some of the questions. Questions marked with the symbol (☞) may require the help of an outside expert.

Nonionizing radiation is a very complex technical subject and may be beyond the ability of untrained personnel to properly evaluate. If you suspect or know that nonionizing radiation sources exist, first obtain competent assistance in measuring field strengths and then complete the following checklist. This checklist does not cover regulations dealing with nonionizing radiation at construction sites. Please use the checklist "Noise, Radiation and Other Exposures for Construction."

		Please Circle
1.☞	Have all possible sources of nonionizing radiation within or near the classroom or environment (such as RF heat sealers, microwave ovens, radio station transmitting towers, electric power generating and transmitting lines, communications equipment, antennas) where students/employees are located or work been identified? [29 CFR 1910.1097]	Y N N/A DK

Comments/Corrective Action

2.☞	Have measurements of nonionizing radiation sources within the frequency range of 10 MHz to 100 GHz, both continuous or intermittent and whole body or partial body irradiation, been obtained by a qualified individual, such as an industrial hygienist or health physicist, and found to be below 10 milliwatts per square centimeter power density and 1 milliwatt hour per square centimeter energy density as averaged over any possible 0.1 hour period? [29 CFR 1910.1097(a)]	Y N N/A DK
3.	Have warning signs been posted in and around equipment which emit excessive amounts of nonionizing radiation? [1910.145(c)(3)]	Y N N/A DK
4.	Have individuals hypersensitive to the effects of nonionizing radiation such as those with pacemakers or metallic implants, been identified and evaluated for safety in terms of their anticipated exposures? [Not required but recommended]	Y N N/A DK

Definitions:

Nonionizing radiation means electromagnetic radiation that does not cause ionization in biological systems. Examples of ionizing radiation include X-rays and gamma rays. Examples on non-ionizing radiation include ultraviolet, visible, microwave, infrared, and radiofrequency radiation.

Partial Body Irradiation pertains to the case in which part of the body is exposed to the incident electromagnetic energy.

Whole Body Irradiation pertains to the case in which the entire body is exposed to the incident electromagnetic energy or in which the cross section of the body is smaller than the cross section of the incident radiation beam.

Comments/Corrective Action